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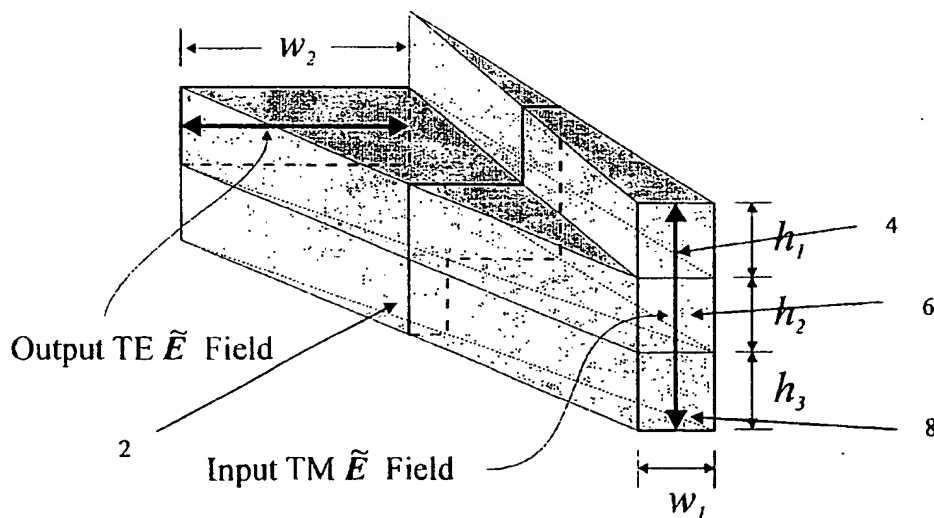
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(57) Abstract: An integrated optic polarization converter includes a plurality of core layers used to approximate a gradually twisted waveguide and therein adiabatically transform a propagating mode from an initial polarization state to a different final polarization state.

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A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02F1/01 286/14 G02B6/12

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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MIN-CHEOL OH ET AL: "SIMULATION OF POLARIZATION CONVERTER FORMED BY POLING-INDUCED POLYMER WAVEGUIDES" IEEE JOURNAL OF QUANTUM ELECTRONICS, IEEE INC. NEW YORK, US, vol. 31, no. 9, 1 September 1995 (1995-09-01), pages 1698-1704, XP000526179 ISSN: 0018-9197 the whole document	1, 4-6, 8, 11-13
A	US 4 998 793 A (HENRY CHARLES H ET AL) 12 March 1991 (1991-03-12) the whole document	1-14
A	US 5 225 797 A (LEE CHARLES A ET AL) 6 July 1993 (1993-07-06) the whole document	1-14
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## C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 418 867 A (VAN DER TOL JOHANNES J G M) 23 May 1995 (1995-05-23) the whole document -----	1-14

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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